



**DEPARTMENT OF THE ARMY**  
**CALIFORNIA ARMY NATIONAL GUARD**  
**HEADQUARTERS, CAMP ROBERTS**  
**CAMP ROBERTS, CALIFORNIA 93451-5000**

CACR-CDR

1 May 2006

**MEMORANDUM FOR SEE DISTRIBUTION**

**SUBJECT:** Standard Operating Procedures (SOP) for Explosive Safety at Camp Roberts

- 1. PURPOSE.** To establish the Camp Roberts Explosives Safety Program and to provide implementing instructions regarding program requirements, actions required, and responsibilities; and to implement the Camp Roberts Explosives Safety Program.
- 2. SCOPE.** The policies and administrative procedures contained in this SOP apply to all military and civilian personnel, and units or activities assigned or attached to the Camp Roberts to include using units deployed to the Camp Roberts.
- 3. POLICY.** The Commander, Camp Roberts, is committed to providing a safe and healthful work environment for its personnel by keeping personnel exposure to ammunitions and explosives to an absolute minimum.
- 4. GENERAL.** AR 385-64, DA PAM (DAP) 385-64 and DOD 6055.9-STD, Ammunition and Explosives Safety Standards, govern the conduct of ammunitions and explosives operations. Operations conducted by Navy or Air Force personnel may also be subject to Navy or Air Force explosives safety standards. At the Camp Roberts, Range Control and QASAS SOPs must also be complied with.
- 5. RESPONSIBILITIES.**
  - a. The Camp Roberts Safety Manager will--
    - (1) Serve as the command safety point of contact and monitor the enforcement and effectiveness of munitions and explosives safety.
    - (2) Review explosive licenses and waivers annually.
    - (3) Review site plans and safety submissions for compliance with applicable regulations. Coordinate technical assistance from the Command Quality Assurance Specialist, Ammunition Surveillance (QASAS); Explosive Ordnance Disposal (EOD); Engineers and Support Directors for Engineering; and customer units in the location and layout preparation of new and revised storage facilities.

(4) Review, coordinate, and process request for explosive safety waivers and exemptions.

(5) Thoroughly staff explosive safety actions prior to forwarding to FT. Lewis to ensure that operational needs are clearly defined and that the actions will satisfy projected requirements. As a minimum, Camp Roberts' engineers, QASAS and EOD will be consulted, but some actions may require involvement of Navy and/or Air Force representatives.

(6) Forward requests for explosive safety waivers/exemptions, site plans and safety submissions to the appropriate action office at Ft. Lewis.

(7) Assume the responsibilities of the QASAS if one is not assigned.

b. Director of Logistics will:

(1) Ensure quarterly inspections of all ammunitions/explosives storage facilities are conducted and documented.

(2) Ensure lightning protection/ground system inspections are conducted as required by DOD 6055.9-STD, DAP 385-64 and SB 742-1 and FORSCOM Reg. 700-4.

(3) Ensure activities involving transportation and storage of ammunition are monitored for compliance with applicable explosive safety regulations.

(4) Ensure that site plans and safety submissions are thoroughly staffed within the organization and are IAW AR 385-64 and DAP 385-64. Coordinate with the Camp Roberts safety office, engineers, the users, and quality assurance specialist, ammunition surveillance, in siting and layout preparation of new and revised storage facilities. Ensure that all exposures are indicated on site plans.

(5) Ensure quantity distance arcs are annotated on installation master planning maps.

(6) Ensure that explosive licenses and waivers are properly prepared and renewed annually. All licenses and waivers will indicate the net explosive weight (NEW) authorized to be stored in a facility. Licenses will be approved by the Safety Manager.

(7) Provide the following items for review during explosive safety inspections--

(a) Continuity book containing, at a minimum, the Camp Roberts explosive safety program and items b through e below.

(b) Most current inventory by storage facility showing DODAC, nomenclature, quantity, and total net explosive weight (NEW).

(c) Most current lightning protection/ground system inspection report.

(d) Copies of work orders submitted for corrections of safety deficiencies. Work orders will show the estimated repair cost.

(e) Copies of internal and external surveys and inspections for the past and current fiscal year.

(f) Copies of storage licenses, and waiver(s) (if applicable).

c. The Command QASAS will--

(1) Ensure that ammunition/explosives operations are conducted IAW applicable explosive safety requirements.

(2) Provide technical assistance to the Camp Roberts safety office on conditions that require license modification, waivers, Department of Defense Explosive Safety Board (DDESB) submissions, accident investigations, etc.

d. Commanders handling, storing, transporting or using ammunitions or explosives at Camp Roberts will--

(1) Ensure that soldiers know and use proper and safe handling methods and that ammunitions and explosives are adequately packaged for safe shipment.

(2) Ensure that vehicles used to transport ammunition and explosives (on or off post) follow Department of Defense (DOD), Department of Transportation (DOT), FL Reg. 700-20 and Camp Roberts Guide #1.

(3) Ensure soldiers know the safety and reporting procedures to follow in the event of an accident or malfunction involving ammunitions or explosives. Accidents and malfunctions must be reported IAW AR 385-40, AR 75-1, Camp Roberts SOP 385-1 and procedures set forth by Camp Roberts Range Control.

(4) Ensure that ammunitions or explosives are the right type for their intended use and that any suspensions and/or restrictions to munitions in the hands of the unit are appropriately addressed.

(5) Ensure that soldiers are aware of any restrictions and prohibitions specified in range standing operating procedures where ammunitions and/or explosives are to be used.

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**6. TRANSPORTATION OF AMMUNITIONS AND EXPLOSIVES.** Anytime ammunitions or explosives are removed from authorized storage locations, to include exercises, the requirements of this paragraph must be met.

a. On-post transportation routes should avoid areas of dense population/congestion and be approved by the Safety Office.

b. Uniformed military personnel are required to abide by the DOT regulations concerning the transport of ammunitions and explosives, on or off post, when movement is on public highways.

c. All personnel (including uniformed military) who have any part in the transportation of ammunition and explosives must have training. This includes, drivers and CO-drivers, those who certify the shipment, load the truck, pack the ammunition in the boxes, mark and label the ammunition boxes, or any other duty that could effect the transportation of ammunition and explosives. Training requirements are--

(1) Drivers: Drivers and CO-drivers of the vehicles must be licensed and have training specified in AR 600-55, paragraph 4-9b.

(2) Certification Training: This training is required for those who sign the certification statement on shipping papers prior to offering hazardous materials as cargo to the transportation system. This certification is also required for individuals certifying hazardous cargo for air transportation using (Shippers Declaration for Dangerous Goods, style F83R). This requirement applies to the transportation of ammunition and explosives where public highways are used. It does not apply when transportation is conducted on roads restricted from the public. This training may be obtained from the following Army approved schools--

(a) US Army Ammunition Center and School, Savanna, Illinois. The school may be contacted at DSN 585-8961.

(b) School of Military Packaging Technology, Aberdeen Proving Ground, MD. The school may be contacted at DSN 298-5185.

(3) Preparation and Handlers Training: This training is required for all those (including uniformed military personnel) who prepare or handle ammunition for shipment. This training may be obtained from commercial vendors or the commander may appoint someone to give the training. If the commander appoints someone to give the training, it must be done by personnel that have attended certification training.

d. Drivers will be given special instructions such as requirements for marking/placarding, mechanical condition, route of travel and refueling. DD Form 836 (Special Instructions for Motor Vehicle Drivers) is required for all shipments of ammunition and explosives. All vehicles transporting ammunition with Hazard Class 1.1 thru 1.4 must first be inspected using DD Form 626 (Motor Vehicle Inspection). Transportation of inert ammunition does not require the DD Form 626.

**7. DDESB SUBMISSIONS.** Site plans and safety submissions will be prepared IAW AR 385-64, DAP 385-64 and DOD 6055.9-STD. Site plans and safety submissions must be submitted for projects including--

a. New construction or modification of facilities for ammunition and explosive activities.

b. Facilities for activities not involving ammunitions and explosives which are in such proximity to the ammunitions or explosives site as to be exposed to hazards if located at less than required safety distance.

**8. AMMUNITION STORAGE IN UNIT ARMS ROOMS.** Unit arms rooms will not be used to store class 1.1 or 1.2 ammunitions. Limited quantities of class 1.3 and 1.4 ammunitions may be stored at these locations for alert and security purposes consistent with mission requirements. Limited quantities for such locations are established as a quantity approved by the Camp Roberts Commander as mission essential for alert and/or security purposes, but will not exceed 200 pounds NEW.

Unit Basic Loads (UBL) and/or training ammunitions will not be stored in unit arms rooms. Basic load storage sites for less than 4,000 kg NEQ/8,820 pounds NEW will comply with all provisions of paragraph 14-2, DAP 385-64 and will be separated from barracks, headquarters, maintenance and like facilities by at least 270 meters. Storage sites exceeding these quantities will comply with Chapter 5, DAP 385-64 Q-D criteria.

## **9. INSPECTIONS.**

a. All ammunition and/or explosives storage sites will be surveyed by the Camp Roberts Safety Manager at least annually. Surveys will be conducted using the checklist at Appendix G.

b. Explosive safety programs will be surveyed by the safety office at least annually using the Explosives Safety Program Checklist at Appendix D.

c. Documentation of surveys will be maintained on file and uncorrected deficiencies will be managed IAW AR 385-10.

**10. WAIVERS/EXCEPTIONS.** Definitions and procedures for obtaining a waiver or exception are provided in AR 385-64 and DA PAM 385-64. Requests for waivers or exceptions will be submitted through the safety manager for review.

**11. FIELD STORAGE.** Temporary storage of ammunitions and explosives in a field environment will be IAW AR 385-64, DA Pam 385-64, DOD 6055.9-STD, and Range Control SOP.

**12. Explosive Ordnance Disposal (EOD).** EOD operations will be coordinated with Range Control and conducted by, or under the direct supervision of, certified EOD specialists and IAW local SOP and Technical Manuals, such as TM 60A-1-1-9, TM 60A-1-1-31, TM 60A-1-1-42, etc.

**13. Demilitarization (Demil).** Demilitarization of explosives or propellants will be accomplished IAW Military Munitions Rule (MMR), DA PAM 385-64 and SOP for Open

Detonation at the Unserviceable Munitions Treatment Unit (UMTU). Demil of explosives or propellants will be accomplished by reclamation, demolition, or burning. The preferred method is by burning. All Demil by demolition and burning of fragmenting ammunitions or explosives will be conducted by, or under the supervision of, certified personnel. Burning operations of non-fragmenting ammunitions and/or explosives will be conducted IAW DAP 385-64 Range Control and UMTU SOPs. The following procedures must be adhered to--

a. Demil operations will be conducted IAW AR 385-64, DAP 385-64, MMR, SOP UMTU, Range Control SOP and appropriate TMs.

b. No Demil operations will take place without an approved SOP. SOPs will be reviewed by the Command QASAS, the Camp Roberts Safety Office and approved by the Camp Roberts Commander before being implemented. SOPs will be reviewed by the proponent at least annually. Reviews will be documented.

c. Burning sites.

(1) Demil by burning of ammunitions and explosives are currently not authorized at the Camp Roberts due to environmental concerns. The only burning operations authorized are in conjunction with training operations and will be IAW Range Control SOPs. Should Demil by burning be authorized, an SOP may be obtained from the safety office.

(2) Units will ensure positive controls of the burning site during unit training. Incidents, close calls, etc., will be reported to Range Control.

(3) All non-ammunition related operations, personnel, and/or areas, to include installation boundaries will be located a minimum 670 feet (100 pounds or less of NEW) from the burning site.

(4) When burning propellants, and non-certified personnel are involved, the propellant to be burned will be unconfined and spread evenly over the burning site so that the depth of the propellant will not exceed 3 inches.

d. Demolition sites.

(1) All installation boundaries, unrelated operations or personnel and administrative areas will be located a minimum of 2,400 feet from the demolition site for fragmenting ammunition with less than a 5 inch caliber, and 4,000 feet for fragmenting ammunition with a 5 inch or greater caliber.

(2) All installation boundaries, administrative buildings or areas, and unrelated operations or personnel will be located a minimum of 1,250 feet from demolition operations involving non-fragmenting ammunition or explosives such as propellants.

e. All personnel involved in Demil of ammunitions and/or explosives will be familiar with and follow Range Control SOPs.

f. All personnel involved in EOD and/or Demil operations will have received appropriate training and be thoroughly familiar with DAP 385-64, Chapter 4, MMR, SOP UMTU, Camp Roberts SOP 385-1, range SOP for the range being used, and appropriate TMs for the operation being conducted. Supervisors will ensure that the required training and familiarization with SOPs are documented before tasking personnel to conduct EOD and/or Demil operations.

6. POC for the above is MAJ Kato (805) 238-8498.

A handwritten signature in black ink, appearing to read 'John Smith', with a stylized, flowing script.

JOHN F. SMITH  
COL, FA  
Commanding

**DISTRIBUTION:**

C (Garrison Staff, Tenant Organizations, and Units using Camp Roberts)